Author Index

Aggarwal, S., see Delamere, N.A. (1149) 102
Alfieri, J.L., see Esfahani, M. (1149) 217
Antunes-Madeira, M.C. and Madeira, V.M.C.
Effects of DDE on the fluidity of model and native membranes: implications for the mechanisms of toxicity (1149) 86
Ash, J.F. and Igo, Jr., R.P.
Numerical analysis reveals complexities of glutamate transport (1149) 109

Bakker-Woudenberg, I.A.J.M., see Blume, G. (1149) 180
Baldwin, J.C., see Zahler, R. (1149) 189
Barca, A., see Vaccaro, A.M. (1149) 55
Baum, J.D., see Esfahani, M. (1149) 217
Bayle, D., see Mercier, F. (1149) 151
Becker, F.F., see Gascoyne, P.R.C. (1149) 119
Benz, E.J., Jr., see Zahler, R. (1149) 189
Benz, R., Egli, C. and Hancock, R.E.W.
Anion transport through the phosphate-specific OprP-channel of the *Pseudomonas aeruginosa* outer membrane: effects of phosphate, di- and tribasic anions and of negatively-charged lipids (1149) 224
Benz, R., see Spieß, I. (1149) 93
Bergenståhl, B., see Johansson, L.B.-Å. (1149) 285
Besancon, M., see Mercier, F. (1149) 151
Bessler, W.G., see Metzger, J.W. (1149) 29
Biesert, L., see Metzger, J.W. (1149) 29
Bigler, R.D., see Esfahani, M. (1149) 217
Bizal, G.L., see Soleimani, M. (1149) 127
Blume, G., Cevc, G., Crommelin, M.D.J.A., Bakker-Woudenberg, I.A.J.M., Kluft, C. and Storm, G.
Specific targeting with poly(ethylene glycol)-modified liposomes: coupling of homing devices to the ends of the polymeric chains combines effective target binding with long circulation times (1149) 180
Blumrich, M. and Petzinger, E.
Two distinct types of SH-groups are necessary for bumetanide and bile acid uptake into isolated rat hepatocytes (1149) 278
Brasseur, R., see Lins, L. (1149) 267
Burt, J.P.H., see Gascoyne, P.R.C. (1149) 119

Carrasquer, G., Zhang, J.-Y., Geng, Z., Rehm, W.S. and Schwartz, M.
Electrogenicity of the frog gastric mucosa proton pump based on polarization responses in the presence of H^+-secretion inhibitors (1149) 195
Cevc, G., see Blume, G. (1149) 180
Chen, J.-G. and Kempson, S.A.
Phosphate deprivation inhibits NH_4^+ transport in OK cells (1149) 299
Chen, X., Han, X. and Gross, R.W.
Dynamics of binary mixtures of plasmenylcholine/arachidonic acid and phosphatidylcholine/arachidonic acid – a study using fluorescence and NMR spectroscopy (1149) 241
Chevy, F., see Joo, F. (1149) 231
Chong, P.L.-G. and Wong, P.T.T.
Interactions of Laurdan with phosphatidylcholine liposomes: a high pressure FTIR study (1149) 260
Ciaffoni, F., see Vaccaro, A.M. (1149) 55
Coca-Prados, M., see Delamere, N.A. (1149) 102
Colard, O., see Joo, F. (1149) 231
Crommelin, M.D.J.A., see Blume, G. (1149) 180
Cullis, P.R., see Harrigan, P.R. (1149) 329

Delamere, N.A., Coca-Prados, M. and Aggarwal, S.
Studies on regulation of the ascorbic acid transporter in a cell line derived from rabbit non-pigmented ciliary epithelium (1149) 102
Dixon, H., see Mills, D.E. (1149) 313
Duhm, J., Engelmann, B., Schönthier, U.M. and Streich, S.
Accelerated maximal velocity of the red blood cell Na^+/K^+ pump in hyperlipidemia is related to increase in 1-palmitoyl,2-arachidonoyl-plasmalogen phosphatidylethanolamine (1149) 185

Egli, C., see Benz, R. (1149) 224
Engelmann, B., see Duhm, J. (1149) 185
Esfahani, M., Bigler, R.D., Alfieri, J.L., Lund-Katz, S., Baum, J.D. and Seerbo, L.
Cholesterol regulates the cell surface expression of glycophospholipid-anchored CD14 antigen on human monocytes (1149) 217

Fambrough, D.M., see Lemas, M.V. (1149) 339
Fernandez, A.M., Fernandez-Ballester, G., Ferragut, J.A. and Gonzalez-Ros, J.M.
Labeling of the nicotinic acetylcholine receptor by a photoactivatable steroid probe: effects of cholesterol and cholinergic ligands (1149) 135
Fernandez-Ballester, G., see Fernandez, A.M. (1149) 135
Ferragut, J.A., see Fernandez, A.M. (1149) 135
Fontell, K., see Johansson, L.B.-Å. (1149) 285
Franco, K., see Zahler, R. (1149) 189
Fransson, Å., see Johansson, L.B.-Å. (1149) 285
Franz, H.E., see Steffgen, J. (1149) 145

Galey, W.R., see Mills, D.E. (1149) 313
Gascoyne, P.R.C., Pethig, R., Burt, J.P.H. and Becker, F.F.
Membrane changes accompanying the induced differentiation of Friend murine erythroleukemia cells studied by dielectrophoresis (1149) 119
Genco, I., Gliozzi, A., Relini, A., Robello, M. and Scalas, E.
Electroporation in symmetric and asymmetric membranes (1149) 10
Geng, Z., see Carrasquer, G. (1149) 195
Giacomini, K.M., see Gutierrez, M.M. (1149) 202
Gilmore-Hebert, M., see Zahler, R. (1149) 189
Gliozzi, A., see Genco, I. (1149) 10
Gonzalez-Ros, J.M., see Fernandez, A.M. (1149) 135
Greenhut, S.F., Taylor, K.M.P. and Roseman, M.A.
Tight insertion of cytochrome b_5 into large unilamellar vesicles (1149) 1

Gross, R.W., see Chen, X. (1149) 241
Gründemann, D., see Steffgen, J. (1149) 145
Günther, T. and Höllriegl, V.
Na^+- and anion-dependent Mg^{2+} influx in isolated hepatocytes (1149) 49
Gutierrez, M.M. and Giacomini, K.M.
Substrate selectivity, potential sensitivity and stoichiometry of Na^+-nucleoside transport in brush border membrane vesicles from human kidney (1149) 202

Han, X., see Chen, X. (1149) 241
Hancock, R.E.W., see Benz, R. (1149) 224
Hanson, T.P., see Strasburg, G.M. (1149) 249
Harrigan, P.R., Wong, K.F., Redelmeier, T.E., Wheeler, J.J. and Cullis, P.R.
Accumulation of doxorubicin and other lipophilic amines into large unilamellar vesicles in response to transmembrane pH gradients (1149) 329
Harrison, M.M., Roth, M.R., Hooker, A.A., Rintoul, D.A. and Welti, R.
Phase behavior and arrangement of molecular species in mixtures of a mixed chain and a symmetric phosphatidylethanolamine in the gel and fluid phases (1149) 292
Hatcher, M.E. and Plachy, W.Z.
Dioxygen diffusion in the stratum corneum: an EPR spin label study (1149) 73
Hattabaugh, Y.J., see Soleimani, M. (1149) 127
Höllriegl, V., see Günther, T. (1149) 49
Hong, K., see Lundberg, B. (1149) 305
Hooker, A.A., see Harrison, M.M. (1149) 292
Hui, S.W., see Langner, M. (1149) 175

Igo, Jr., R.P., see Ash, J.F. (1149) 109
Iwatsuru, M., see Maruyama, K. (1149) 209

Johansson, L.B.-Å., Kalman, B., Wikander, G., Fransson, Å., Fontell, K., Bergenståhl, B. and Lindblom, G.
Phase equilibria and formation of vesicles of dioleoylphosphatidylcholine in glycerol/water mixtures (1149) 285
Joo, F., Chevy, F., Colard, O. and Wolf, C.
The activation of rat platelets increases the exposure of polyunsaturated fatty acid enriched phospholipids on the external leaflet of the plasma membrane (1149) 231
Joys, T., see Mercier, F. (1149) 151
Jung, G., see Metzger, J.W. (1149) 29

Kalman, B., see Johansson, L.B.-Å. (1149) 285
Kempson, S.A., see Chen, J.-G. (1149) 299
Kienle, S., see Steffgen, J. (1149) 145
Kluft, C., see Blume, G. (1149) 180
Koepsell, H., see Steffgen, J. (1149) 145
Krämer, R., see Stappen, R. (1149) 40

Lafleur, M., see Monette, M. (1149) 319
Langner, M. and Hui, S.W.
Merocyanine interaction with phosphatidylcholine bilayers (1149) 175
Lemas, M.V. and Fambrough, D.M.
Sequence analysis of DNA encoding an avian Na^+,K^+-ATPase $\beta 2$-subunit (1149) 339
Lewin, M.J.M., see Mercier, F. (1149) 151
Lindblom, G., see Johansson, L.B.-Å. (1149) 285
Lins, L., Brasseur, R., Rosseneu, M., Vanloo, B. and Ruysschaert, J.-M.
Structure of the apolipoprotein A-IV/lipid discoidal complexes: an attenuated total reflection polarized Fourier transform infrared spectroscopy study (1149) 267
Louis, C.F., see Strasburg, G.M. (1149) 249
Lund-Katz, S., see Esfahani, M. (1149) 217
Lundberg, B., Hong, K. and Papahadjopoulos, D.
Conjugation of apolipoprotein B with liposomes and targeting to cells in culture (1149) 305

Madeira, V.M.C., see Antunes-Madeira, M.C. (1149) 86
Maruyama, K., Unezaki, S., Takahashi, N. and Iwatsuru, M.
Enhanced delivery of doxorubicin to tumor by long-circulating thermosensitive liposomes and local hyperthermia (1149) 209
Mercier, F., Bayle, D., Besancon, M., Joys, T., Shin, J.M., Lewin, M.J.M., Prinz, C., Reuben, M.A., Soumarmon, A., Wong, H., Walsh, J.H. and Sachs, G.
Antibody epitope mapping of the gastric H^+/K^+-ATPase (1149) 151
Metzger, J.W., Sawyer, W.H., Wille, B., Biesert, L., Bessler, W.G. and Jung, G.
Interaction of immunologically-active lipopeptides with membranes (1149) 29
Mills, D.E., Galey, W.R. and Dixon, H.
Effects of dietary fatty-acid supplementation on fatty-acid composition and deformability of young and old erythrocytes (1149) 313
Monette, M., Van Calsteren, M.-R. and Lafleur, M.
Effect of cholesterol on the polymorphism of dipalmitoylphosphatidylcholine/melittin complexes: an NMR study (1149) 319

Nijweide, P.J., see Weidema, A.F. (1149) 63

Oelberg, D.G., Xu, F. and Shabarek, F.
Sodium/proton transport by apical membranes of type-II pneumocytes (1149) 19
Ouyang, H.X., see Strasburg, G.M. (1149) 249

Panyi, G., see Weidema, A.F. (1149) 63
Papahadjopoulos, D., see Lundberg, B. (1149) 305
Pethig, R., see Gascoyne, P.R.C. (1149) 119
Petzinger, E., see Blumrich, M. (1149) 278
Plachy, W.Z., see Hatcher, M.E. (1149) 73
Praet, M. and Ruysschaert, J.-M.
In-vivo and in-vitro mitochondrial membrane damages induced in mice by adriamycin and derivatives (1149) 79
Prinz, C., see Mercier, F. (1149) 151

Ravesloot, J.H., see Weidema, A.F. (1149) 63
Redelmeier, T.E., see Harrigan, P.R. (1149) 329
Rehm, W.S., see Carrasquer, G. (1149) 195
Relini, A., see Genco, I. (1149) 10
Reuben, M.A., see Mercier, F. (1149) 151
Rintoul, D.A., see Harrison, M.M. (1149) 292
Robello, M., see Genco, I. (1149) 10
Roncaioli, P., see Vaccaro, A.M. (1149) 55
Roseman, M.A., see Greenhut, S.F. (1149) 1
Rosseneu, M., see Lins, L. (1149) 267
Roth, M.R., see Harrison, M.M. (1149) 292
Ruysschaert, J.-M., see Lins, L. (1149) 267
Ruysschaert, J.-M., see Praet, M. (1149) 79

Sachs, G., see Mercier, F. (1149) 151
Salvioli, R., see Vaccaro, A.M. (1149) 55
Sawyer, W.H., see Metzger, J.W. (1149) 29
Scalas, E., see Genco, I. (1149) 10
Scerbo, L., see Esfahani, M. (1149) 217
Scheyerl, F., see Steffgen, J. (1149) 145
Schönthier, U.M., see Duhm, J. (1149) 185
Schwartz, M., see Carrasquer, G. (1149) 195
Shabarek, F., see Oelberg, D.G. (1149) 19

Shin, J.M., see Mercier, F. (1149) 151
Soleimani, M., Hattabaugh, Y.J. and Bizal, G.L.
Identification and covalent modification of a renal brush-border anion exchanger (1149) 127
Soumarmon, A., see Mercier, F. (1149) 151
Spieß, I., Wang, J., Benz, R. and Zimmermann, U.
Characterization of the chloride carrier in the plasmalemma of the alga *Valonia utricularis*: the inhibition by 4,4′-diisothiocyanatostilbene-2,2′-disulfonic acid (1149) 93
Stappen, R. and Krämer, R.
Functional properties of the reconstituted phosphate carrier from bovine heart mitochondria: Evidence for asymmetric orientation and characterization of three different transport modes (1149) 40
Steffgen, J., Scheyerl, F., Gründemann, D., Kienle, S., Franz, H.E. and Koepsell, H.
Characterization of *p*-aminohippurate transport from rat kidney which is expressed after injection of size-selected mRNA into oocytes of *Xenopus laevis* (1149) 145
Storm, G., see Blume, G. (1149) 180
Strasburg, G.M., Hanson, T.P., Ouyang, H.X. and Louis, C.F.
Localization and functional role of the calmodulin-binding domain of phospholamban in cardiac sarcoplasmic reticulum vesicles (1149) 249
Streich, S., see Duhm, J. (1149) 185
Sugi, H., see Yamanobe, T. (1149) 166

Takahashi, N., see Maruyama, K. (1149) 209
Tatti, M., see Vaccaro, A.M. (1149) 55
Taylor, K.M.P., see Greenhut, S.F. (1149) 1

Unezaki, S., see Maruyama, K. (1149) 209

Vaccaro, A.M., Tatti, M., Ciaffoni, F., Salvioli, R., Barca, A. and Roncaioli, P.
Studies on glucosylceramidase binding to phosphatidylserine liposomes: the role of bilayer curvature (1149) 55
Van Calsteren, M.-R., see Monette, M. (1149) 319
Vanloo, B., see Lins, L. (1149) 267

Walsh, J.H., see Mercier, F. (1149) 151
Wang, J., see Spieß, I. (1149) 93
Weidema, A.F., Ravesloot, J.H., Panyi, G., Nijweide, P.J. and Ypey, D.L.
A Ca^{2+}-dependent K^+-channel in freshly isolated and cultured chick osteoclasts (1149) 63
Welti, R., see Harrison, M.M. (1149) 292
Wheeler, J.J., see Harrigan, P.R. (1149) 329
Wikander, G., see Johansson, L.B.-Å. (1149) 285
Wille, B., see Metzger, J.W. (1149) 29
Wolf, C., see Joo, F. (1149) 231
Wong, H., see Mercier, F. (1149) 151
Wong, K.F., see Harrigan, P.R. (1149) 329
Wong, P.T.T., see Chong, P.L.-G. (1149) 260

Xu, F., see Oelberg, D.G. (1149) 19

Yamanobe, T. and Sugi, H.
Purification and characterization of a Ca^{2+}-binding 450-kDa protein (MCBP-450) in the plasma membrane-enriched fraction from a molluscan smooth muscle (1149) 166
Ypey, D.L., see Weidema, A.F. (1149) 63

Zahler, R., Gilmore-Hebert, M., Baldwin, J.C., Franco, K. and Benz, E.J., Jr.
Expression of α isoforms of the Na,K-ATPase in human heart (1149) 189
Zhang, J.-Y., see Carrasquer, G. (1149) 195
Zimmermann, U., see Spieß, I. (1149) 93